

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 09650/007001	SERIAL NO. 09/252,432
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))		APPLICANT Ronald P. Knockeart		
		FILING DATE February 18, 1999		GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	7	9	6	1	9	1	01/03/89	Honey et al.			
	AB	5	3	1	1	1	9	5	05/10/94	Mathis et al.			
	AC	5	5	0	4	4	8	2	04/02/96	Schreder			
	AD	5	5	4	3	7	8	9	08/06/96	Behr et al.			
	AE	5	5	5	9	5	5	1	09/24/96	Ito et al.			
	AF	5	5	6	5	8	7	4	10/15/96	Rode			
	AG	5	5	8	7	9	1	1	12/24/96	Asano et al.			
	AH	5	6	1	2	8	8	1	03/18/97	Moroto et al.			
	AI	5	6	4	2	1	0	6	06/24/97	Hancock et al.			
	AJ	5	8	7	5	4	1	2	02/23/99	Sulich et al.			
	AK												

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 96/07110	03/07/96	PCT				
	AM	EPO 379 198 A	07/25/90	Europe				
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ	Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System		
AR			
AS			

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>Notice of References Cited</b>		Application No. 09/252432	Applicant(s) DRURY ET AL
		Examiner T. BLUM	Group Art Unit 3662
		Page ____ of ____	

U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5848373	12-8-98	DELORME ET AL	701	200
B	5948040	9-7-99	DELORME ET AL	701	201
C					
D					
E					
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*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
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P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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\* A copy of this reference is not being furnished with this Office action.  
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-007001	Application No. 09/252,432
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Bob Drury et al.		
		Filing Date February 18, 1999	Group Art Unit 3662	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,563,607	10/08/96	Loomis et al.			
	AB	5,539,645	07/23/96	Mandhyan et al.			
	AC	5,334,986	08/02/94	Ferhout			
	AD	5,243,528	09/07/93	Lefebvre			
	AE	5,072,395	12/10/91	Bliss et al.			
	AF	5,598,534	01/28/97	Haas			
	AG	5,604,676	02/18/97	Penzias			
	AH	6,073,075	06/06/00	Kondou et al.			
	AI	6,104,338	08/15/00	Krasner			
	AJ	5,987,381	11/16/99	Oshizawa			
	AK	6,028,537	02/22/00	Suman et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes N
	AL	96/21193	07/11/96	WO			
	AM	96/00373	01/04/96	WO			
	AN	0 786 646 A2	07/30/97	Europe			
	AO	0 354 684	02/14/90	Europe			
	AP	0 349 652	01/10/90	Europe			
	AQ	41 39 581 A1	06/03/93	Germany			
	AR	43 00 927 A1	07/21/94	Germany			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AS	

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(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						P
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes
	AL	WO 98/45823	10/15/98	PCT			X
	AM	EP0 974 137 B1	11/28/01	Europe (for translation of claims only)			X
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
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	AS	
	AT	

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		Filing Date February 18, 1999	Group Art Unit 3662	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4733356	03/22/88	Haeussermann, et al.			
	AB	4954958	09/04/90	Savage, et al.			
	AC	5025261	06/18/91	Ohta, et al.			
	AD	5043902	08/27/91	Yokoyama, et al.			
	AE	5172321	12/15/92	Ghaem, et al.			
	AF	5239700	08/24/93	Guenther, et al.			
	AG	5278759	01/11/94	Berra, et al.			
	AH	5311434	05/10/94	Tamai			
	AI	5323321	06/21/94	Smith			
	AJ	5452212	09/19/95	Yokoyama, et al.			
	AK	5475599	12/12/95	Yokoyama, et al.			
	AL	5515284	05/07/96	Abe			
	AM	5543789	08/06/96	Behr, et al.			
	AN	5559707	09/24/96	DeLorme, et al.			
	AO	5610821	03/11/97	Gazis, et al.			
	AP	5635953	06/03/97	Hayami, et al.			
	AQ	5638280	06/10/97	Nishimura, et al.			
	AR	5648768	07/15/97	Bouve			
	AS	5648769	07/15/97	Sato, et al.			
	AT	5651056	07/22/97	Eting, et al.			
	AU	5659476	08/19/97	LeFebvre, et al.			
	AV	5774824	06/30/98	Streit, et al.			
	AW	5794164	08/11/98	Beckert, et al.			
	AX	5802492	09/01/98	DeLorme, et al.			
	AY	5808566	09/15/88	Behr, et al.			
	AZ	5922041	07/13/99	Anderson			
	AAA	5924075	07/13/99	Kanemitsu			

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	5951620	09/14/99	Ahrens, et al.			
	ACC	5959577	09/28/99	Fan, et al.			
	ADD	6009403	12/28/99	Sato			
	AEE	6032089	02/29/00	Buckley			
	AFF	6070124	05/30/00	Nimura, et al.			
	AGG	6075467	06/13/00	Ninagawa			
	AHH	6076041	06/13/00	Watanabe			
	AII	6124826	09/26/00	Garthwaite, et al.			
	AJJ	6131064	10/10/00	Vieweg			
	AKK	6169515	01/02/01	Mannings, et al.			
	ALL	6216086	04/10/01	Seymour, et al.			
	AMM	6249767	06/19/01	Okayama, et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Yes	No
	ANN	DE4139581A1	06/03/93	Germany				
	AOO	DE4300927A1		Germany				
	APP	EP0349652B1	10/01/90	Europe				
	AQQ	EP0354684A2	02/14/90	Europe				
	ARR	WO9600373A1	01/04/96	PCT				
	ASS	WO9619775	06/27/96	PCT				
	ATT	WO9843044	10/01/98	PCT				
	AUU	US 6381535 (translation of WO 98/45823)					X	

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<b>Notice of References Cited</b>		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		09/252,432	DRURY ET AL.	
Examiner		Art Unit	3662	Page 1 of 1
Theodore M. Blum				

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,324,404	11-2001	Dennison et al	455/456
	B	US-6,381,535	04-2002	Durocher et al	701/202
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,324,472	11/27/2001	O'Shea			
	AB						

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes
	AC						

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>							
Examiner Initial	Desig. ID	Document					
	AD						

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